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What is claimed is:

1. A method for displaying analysis data of a partitioned OS comprising the steps of:
 - reading event information from an event log;
 - determining a partition ID, task name and task state corresponding to the event information;
 - displaying on a graphical display, a visual representation of the partition ID, task name and task state at a specific, corresponding time on a time graph, the visual representation positioned to correlate with the partition ID.
2. The method of claim 1, wherein,
 - prior to said reading step, the method comprises the steps of
 - implementing a core operating system;
 - providing a system space having a number of memory locations;
 - operating the core operating system to create a number of protection domains to partition the system space;
 - implementing a partition operating system and a partition user application pair in each partition, whereby the partition operating system, partition user application pairs of the partitions are spatially partitioned from each other;
 - operating each partition operating system of each pair to provide resource allocation services to the respective partition user application within the partition; and
 - wherein, the partition ID includes a plurality of partition ID's, the core operating system and each partition is associated with a corresponding one of the partition ID's.
3. The method of claim 1 wherein the determining step further comprises:
 - loading an event dictionary corresponding to the partition ID, the event dictionary including event definitions for events corresponding to the partition ID;
 - determining the task name and task state from the event definitions.

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4. A method for monitoring the execution of a plurality of tasks in the memory of a target computer comprising the steps of:
 - coupling the target computer to a host program with a communications link;
 - running a plurality of tasks on the target computer;
 - producing event data, the event data including a partition ID;
 - entering the event data into a log with a time stamp;
 - uploading the log to the host;
 - parsing the log to retrieve the event data;
 - accessing the partition ID;
 - loading an event dictionary corresponding to the partition ID;
 - determining a task name and task state from the event dictionary;
 - displaying the task name on a first axis with the partition ID;
 - displaying time progression on a second axis;
 - displaying a graphical icon representative of the task state at a time on the second axis corresponding to the time stamp.
5. The method of claim 4 wherein the producing events step further comprises switching to a second partition and the entering step further comprises entering an indication of the switch to a second partition, and configuration information for the second partition.
6. The method of claim 5 wherein the configuration information further comprises the second partition ID, and the second partition event dictionary.
7. The method of claim 4, wherein said running step comprises the steps of
 - implementing a core operating system;
 - providing a system space having a number of memory locations;
 - operating the core operating system to create a number of protection domains to

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partition the system space;

implementing a partition operating system and a partition user application pair in each partition, whereby the partition operating system, partition user application pairs of the partitions are spatially partitioned from each other;

operating each partition operating system of each pair to provide resource allocation services to the respective partition user application within the partition; and

wherein, the partition ID includes a plurality of partition ID's, and the core operating system and each partition is associated with a corresponding one of the partition ID's.

8. A method for monitoring the execution of a plurality of tasks in the memory of a target computer, the method comprising the steps of:

coupling the target computer to a host program with a communications link;

running a plurality of tasks on the target computer, producing a plurality of contexts;

logging event data representing a plurality of events in the plurality of contexts, the event data including an event identifier, a partition identifier, a time stamp, and an array of parameters in a predetermined order;

uploading the event data from the target computer memory to the host program;

reconstructing a status of the tasks from the event data;

storing reconstructed data in the host program; and

displaying the status from the reconstructed data for a period of time for a plurality of the tasks with the same partition identifier on a display.

9. The method of claim 8, wherein said running step comprises the steps of

implementing a core operating system;

providing a system space having a number of memory locations;

operating the core operating system to create a number of protection domains to partition the system space;

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implementing a partition operating system and a partition user application pair in each partition, whereby the partition operating system, partition user application pairs of the partitions are spatially partitioned from each other;

operating each partition operating system of each pair to provide resource allocation services to the respective partition user application within the partition; and

wherein, the partition ID includes a plurality of partition ID's, and the core operating system and each partition is associated with a corresponding one of the partition ID's.